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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P15A -SINGLE SERIES

Jameco Part Number 224282 (P15A-1P2JU)

.FULL RANGE AC INPUT
.THREE POLE AC INLET IEC320-C14
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.FULL OUTPUT 3~48VDC SAFETY APPROVED

.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.1 YEAR WARRANTY
.APPROVALS:UL/CUL/TUV/CB/CE

ORDER NO. / SPECIFICATION	P15A -0yyy	P15A -1yyy	P15A-1 -1yyy	P15A -2yyy	P15A -3yyy	P15A -4yyy	P15A -5yyy	P15A -6yyy	P15A -8yyy
SAFETY MODEL NO.	PSU15A -0	PSU15A -1	PSU15A -1-1	PSU15A -2	PSU15A -3	PSU15A -4	PSU15A -5	PSU15A -6	PSU15A -8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
OUTPUT RATED CURRENT	2.18A	2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.62A	0.31A
OUTPUT CURRENT RANGE	0-2.18A	0-2.40A	0-1.60A	0-1.66A	0-1.25A	0-1.00A	0-0.83A	0-0.62A	0-31A
RIPPLE & NOISE (p-p)	50mV	50mV	80mV	80mV	80mV	100mV	100mV	180mV	300mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
DC OUTPUT POWER	7.2W	12W	12W	15W	15W	15W	15W	15W	15W
EFFICIENCY	55%	65%	72%	74%	75%	76%	78%	80%	80%

DC VOLTAGE ADJ.	FIXED
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz
AC CURRENT	0.5A/100VAC
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET
INRUSH CURRENT	COLD START < 30A PEAK @ 230VAC
LEAKAGE CURRENT	<0.75mA/240VAC
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY
OVER VOLTAGE PROTECTION	--------
OVER TEMP. PROTECTION	IC1 Tj 135°C TYPICALLY POWER SHUTDOWN
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 8ms @115VAC INPUT
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.
ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M Ohms min@500VDC
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 60% LOAD, 20%~90% RH
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH
DIMENSION	92*40*39mm (L*W*H)
WEIGHT; Q'TY/CARTON	230g; 45PCS/CARTON
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11, ENV50204
LENGTH OF OUTPUT CABLE	STANDARD CABLE:180cm OF SPT-1, 18AWG*2C(OPTION)
PLUG OF DC OUTPUT	STANDARD PLUG P2J:2.1¢*5.5¢*11mm, CENTER POSITIVE yyy:OUTPUT CABLE AND CONNECTOR,TO BE DEFINED BY CUSTOMER

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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